

SENATE JOINT RESOLUTION 36

By Stewart

A RESOLUTION to honor and congratulate Brian Maicke on his publication of a scholarly article in the Royal Society Journal.

WHEREAS, it is fitting that the members of this General Assembly should pause to recognize specially those outstanding students of science who strive to increase the knowledge of their fellows and to better the lives of others through their research and scholarship; and

WHEREAS, Brian Maicke, a graduate student at the University of Tennessee Space Institute (UTSI), is one such estimable student who has distinguished himself as a scholar of the greatest dedication, ability, and ingenuity; and

WHEREAS, Mr. Maicke, in collaboration with Dr. Joe Majdalani, has become the first student of the Institute to publish an article in the highly regarded *Proceedings of the Royal Society A*, a journal of the highest standards devoted to scholarship in the fields of mathematics and the physical and engineering sciences; and

WHEREAS, founded in 1660, the Royal Society is the national academy of science of the United Kingdom and the Commonwealth, and the Society's membership has included such scientific pioneers as Robert Boyle, Sir Isaac Newton, and Lord Kelvin (Sir William Thomson), among many other thinkers of great import; and

WHEREAS, the Royal Society Journal, *Proceedings of the Royal Society A*, which has been published since 1800, has featured many great scientific discoveries, such as Maxwell's electromagnetic theory and Watson and Crick's structure of DNA; and

WHEREAS, published on December 4, 2008, Mr. Maicke's contribution to the *Proceedings of the Royal Society A*, entitled *A Constant Shear Stress Core Flow Model of the*

*Bidirectional Vortex*, presents a mathematical model of swirling motions and describes in detail the physical characteristics of such motions; and

WHEREAS, Brian Mackie graduated from Marquette University in 1999, receiving a Bachelor of Science Degree in Mechanical Engineering, and worked as a machine designer and manufacturing engineer before beginning his studies at the University of Tennessee Space Institute; and

WHEREAS, having earned his Master of Science degree in Aerospace Engineering from the Institute in 2006, Mr. Mackie then chose to continue his education at UTSI and pursue his Doctor of Philosophy in Aerospace Engineering; and

WHEREAS, this General Assembly finds it most appropriate to acknowledge and applaud Brian Maicke for his steadfast commitment to the advancement of science and human understanding; now, therefore,

BE IT RESOLVED BY THE SENATE OF THE ONE HUNDRED SIXTH GENERAL ASSEMBLY OF THE STATE OF TENNESSEE, THE HOUSE OF REPRESENTATIVES CONCURRING, that we hereby honor and congratulate Brian Maicke on his publication of a scholarly article in the Royal Society Journal, commend him for his effort to improve the lives of his fellows through scientific research and innovation, and extend to him our best wishes for every future success.

BE IT FURTHER RESOLVED, that an appropriate copy of this resolution be prepared for presentation with this final clause omitted from such copy.